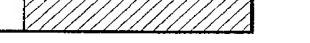
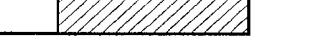
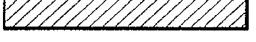
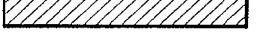
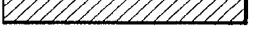


	<u>Binding Domain Hybrid</u>	<u>Activation Domain Hybrid</u>
<b>Fas</b>		<b>Sentrin</b>
	 wt (191–319AA)	++
	 Δ 15 (191–304AA)	++
	 Δ 23 (191–296AA)	–
	 (V238N)	–
<b>TNFR1</b>		
	 wt (326–426AA)	++
	 Δ 14 (326–412AA)	++
	 Δ 20 (326–406AA)	–
<b>CD40</b>		–
	(216–277AA)	
<b>FADD/MORT1</b>		–
	(1–208AA)	

	<u>Activation Domain Hybrid</u>	<u>Binding Domain Hybrid</u>
		<b>Fas (191–319AA)</b>
<b>Sentrin</b>	 (1–101AA)	++
	 (1–70AA)	–
	 (1–23AA)	–
	 (24–97AA)	–
<b>Ubiquitin</b>		–
<b>Nedd8</b>		–

**FIG.1A**

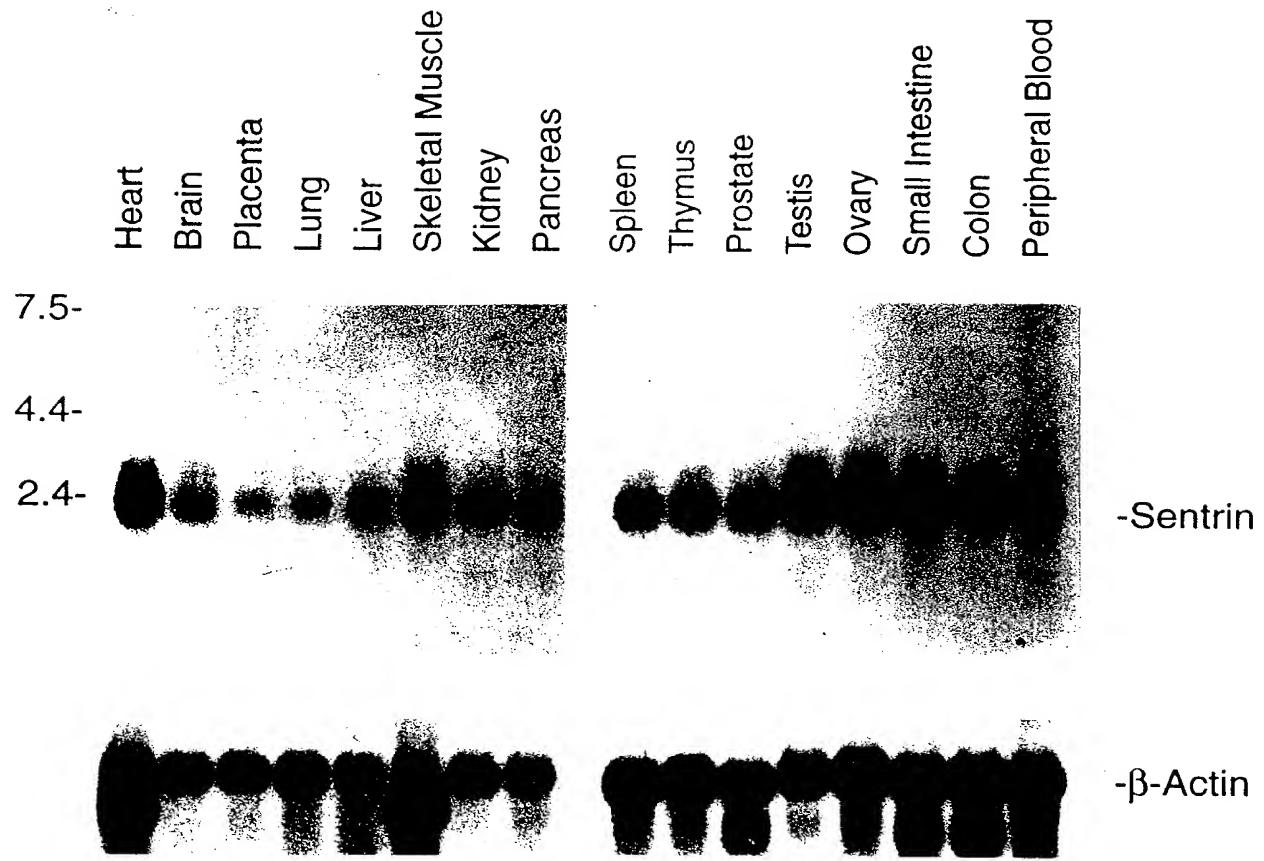


FIG. 1B

CGAGGCGTAGCGGAAGTTACTGCAGCCGCGGTGTTGTGCTGT  
CGGGAAGGGGAAGGATTGTAAACCCCGGAGCGAGGTTCTGC  
TTACCGAGGCCGCTGCTGTGCGGAGACCCCCGGGTGAAGCC  
ACCGTCATCATGTCTGACCAGGAGGCAAAACCTCAACTGAG  
M S D Q E A K P S T E  
GACTTGGGGATAAGAAGCAAGGTGAATATATTAAACTCAAA  
D L G D K K E G E Y I K L K  
GTCATTGGACAGGATAGCAGTGAGATTCACTCAAAGTGAAA  
V I G Q D S S E I H F K V K  
ATGACAACACATCTCAAGAACTCAAAGAACATCATACTGTCAA  
M T T H L K K L K E S Y C Q  
AGACAGGGTGTCCAATGAATTCACTCAGGTTCTCTTTGAG  
R Q G V P M N S L R F L F E  
GGTCAGAGAATTGCTGATAATCATACTCCAAAAGAACACTGGGA  
G Q R I A D N H T P L E L G  
ATGGAGGAAGAAGATGTGATTGAAGTTATCAGGAACAAACG  
M E E E D V I E V Y Q E Q T  
GGGGGTCAATTCAACAGTTAGATATTCTTTTATTCTTTTC  
G G H S T V \*101  
TTTCCCTCAATCCTTTTATTAAAGTTCTTTTC  
TAATGTGGTGTCAAAACGGAATTGAAAATGGCACCCCATC  
TCTTGAAACATCTGGTAATTGAATTCTAGTGCTCATTATT  
CATTATTGTTGTTTCATTGTGCTGATTGGTGATCAAG  
CCTCAGTCCCCTCATATTACCCCTCCTTTAAAAATTAC  
GTGTGCACAGAGAGGTACCTTTCAAGGACATTGCATTTC  
AGGCTTGTGGTGATAAAATAAGATCGACCAATGCAAGTGTCA  
TAATGACTTCCAATTGCCCTGATGTTCTAGCATGTGATTA  
CTTCACTCCTGGACTGTGACTTCAGTGGAGATGGAAGTT  
TTCAGAGAACTGAACTGTGGAAAAATGACCTTCCTAACTT  
GAAGCTACTTTAAAATTGAGAGTAATGACTAACTCCAAAGA  
TGGCTTCACTGAAGAAAAGGCATTAAAGATTCTTTAAAAAT  
CTTGTCAAGATCCCAGAAAAGTTCTAATTTCATTAGCAA

FIG. 2A-1

TTAATAAAGCTATACATGCAGAAATGAATACAACAGAACACT  
GCTCTTTGATTTATTTGACTTTGGCCTGGGATATGG  
GTTTAAATGGACATTGTCTGTACCAAGCTTCATTAAAATAAA  
CAATATTGTCAAAATCGTACTAATGCTTATTTATTTAA  
TTGTATAGAAAGAAAAAATGCCTAAAATAAGGTTTCTTGC  
ATAAAATACTGGAAATTGCACATGGTACAAAAAAATGCCT  
AAATTACTGTACAGGGATGATGTTAATGACTTGGAGCACTG  
AAAGTTACTGAAGTGCCTCTGAATCAAGGATTAATTAAGG  
CCACAATACCTTTAATACTCAGTGTCTGTTTTTAA  
AACTTGATATTCCGTATGGTGCATATTGATAACAGGTACCC  
AATCATGTTGGATAATGGCATGCCAGCC

FIG. 2A-2

1	MSD	QEAKPST	EDLGDKKEGE	YIKIKVIGQD	SSEIHKVKM	40
Sentrin	MSDSEVNQEAKPEV	KP-EVKPETH	-INLKV-SDG	SSEIFFKIKK		
SMT3			MQIFVKTLT	GKTITLEVEP		
Ubiquitin			MLIKVKTLT	GKEIEIDIEP		
Nedd-8						
41						60
Sentrin						
SMT3						
Ubiquitin						
Nedd-8						
BAG-1						
61						80
Sentrin						
SMT3						
Ubiquitin						
Nedd-8						
BAG-1						
81						100
Sentrin						
SMT3						
Ubiquitin						
Nedd-8						

FIG. 2B

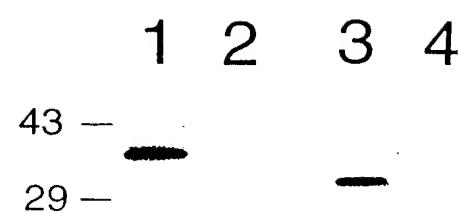


FIG.3

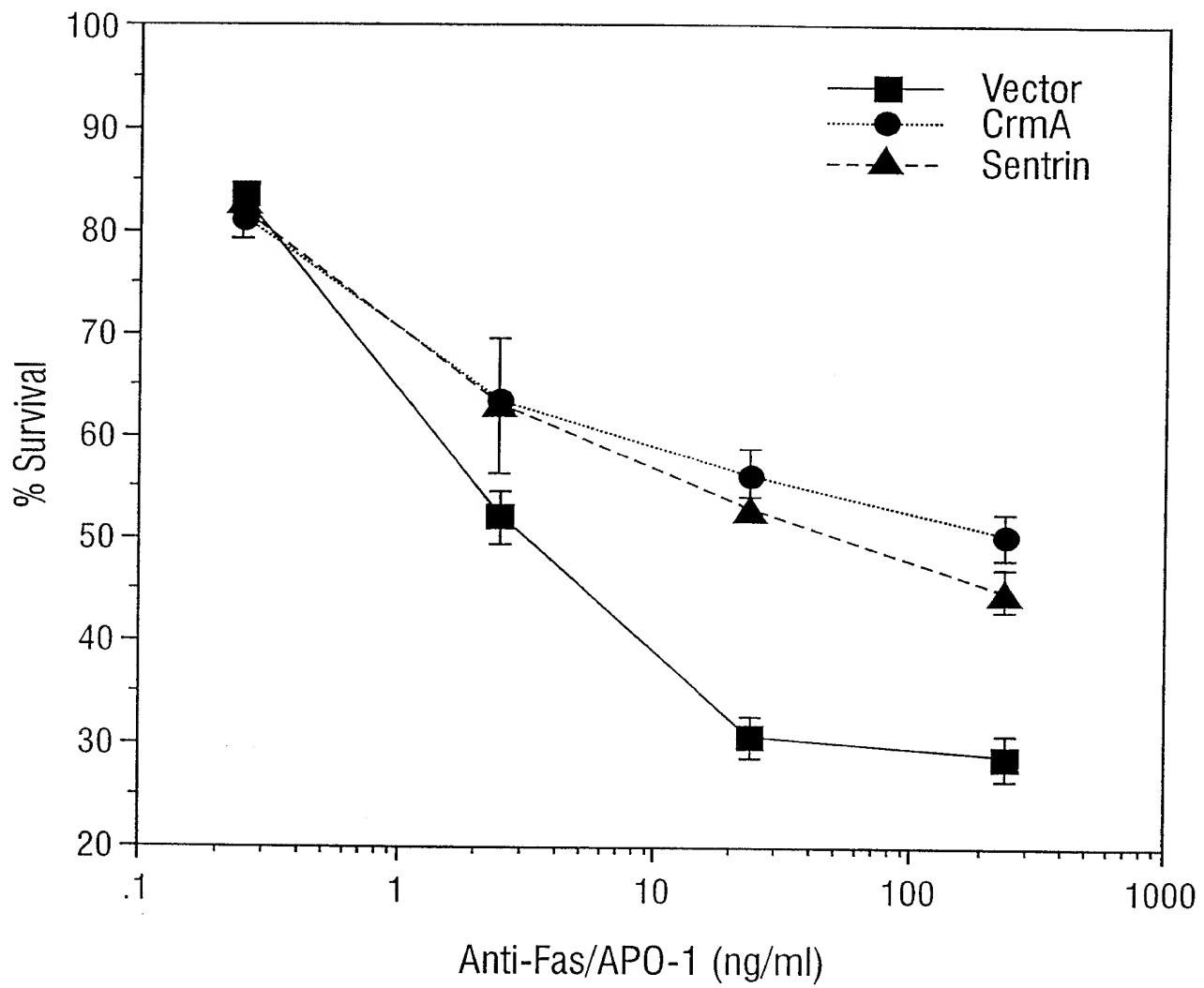


FIG. 4A

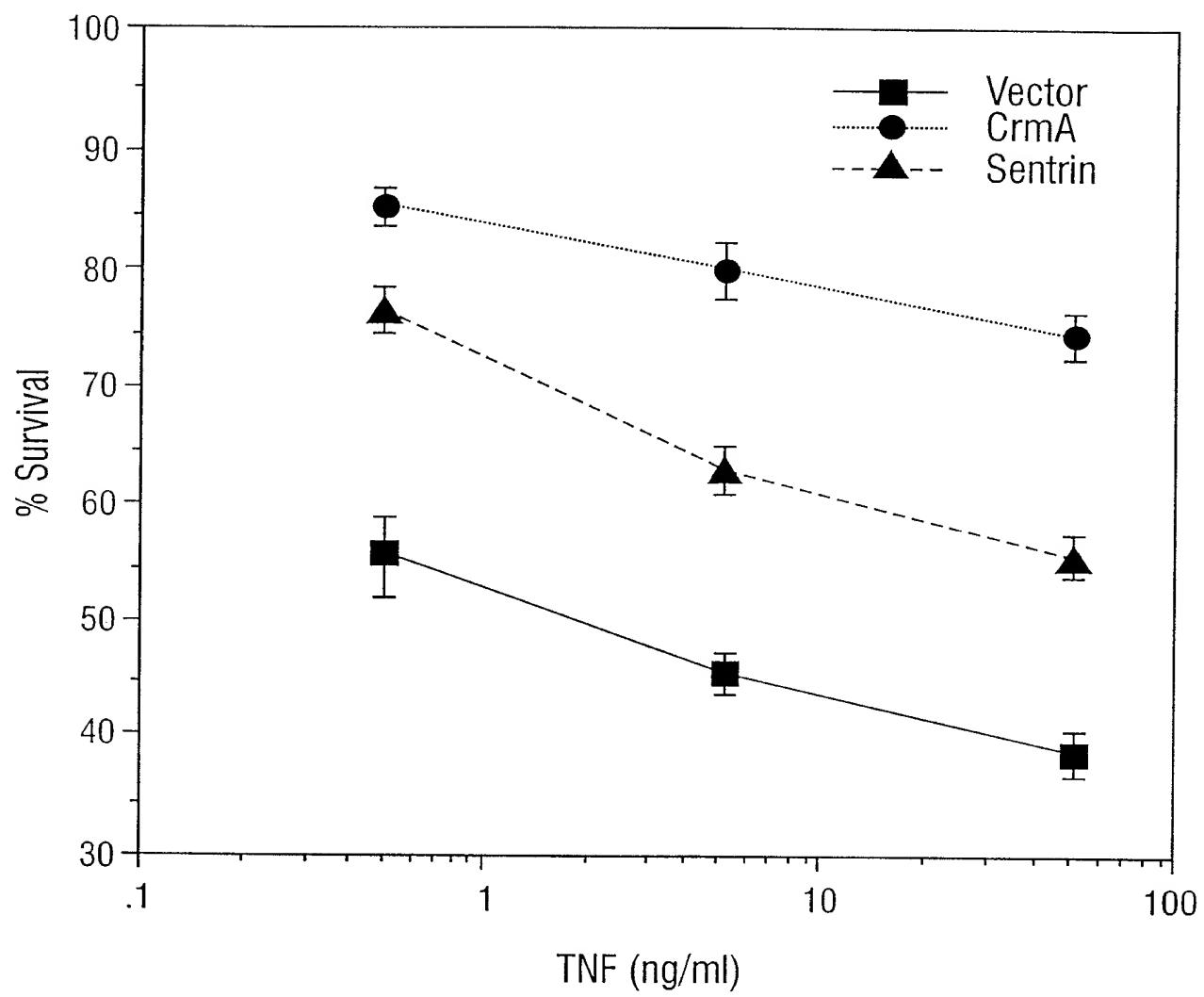


FIG. 4B

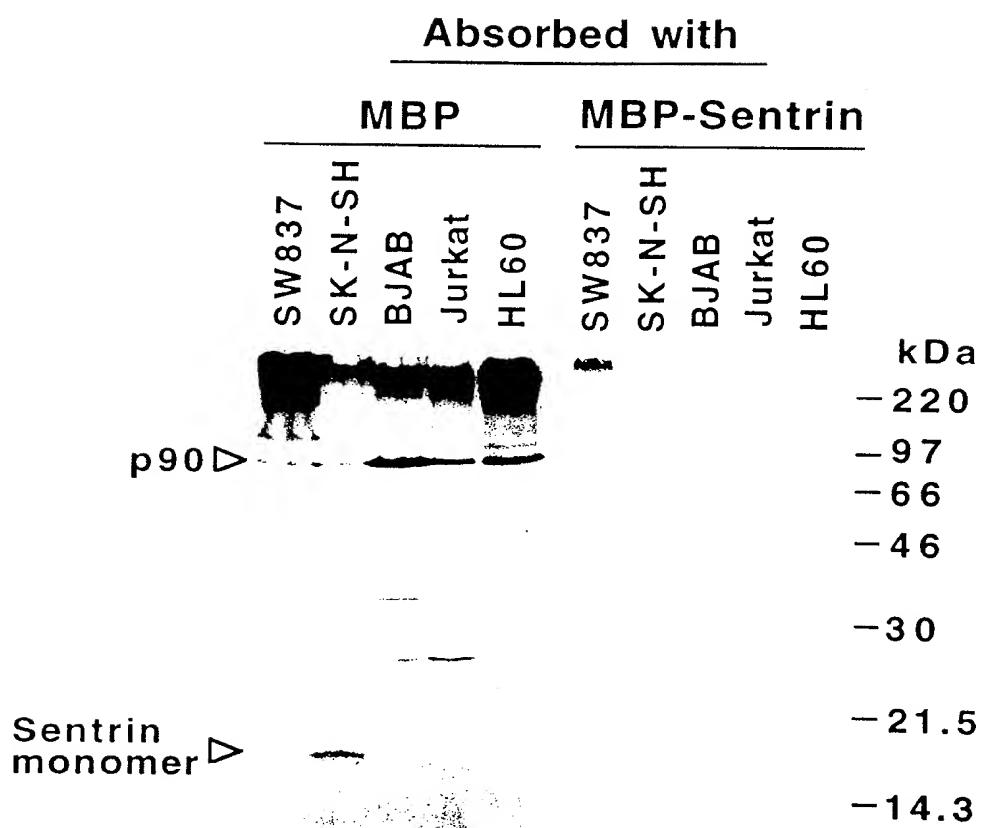


FIG.5

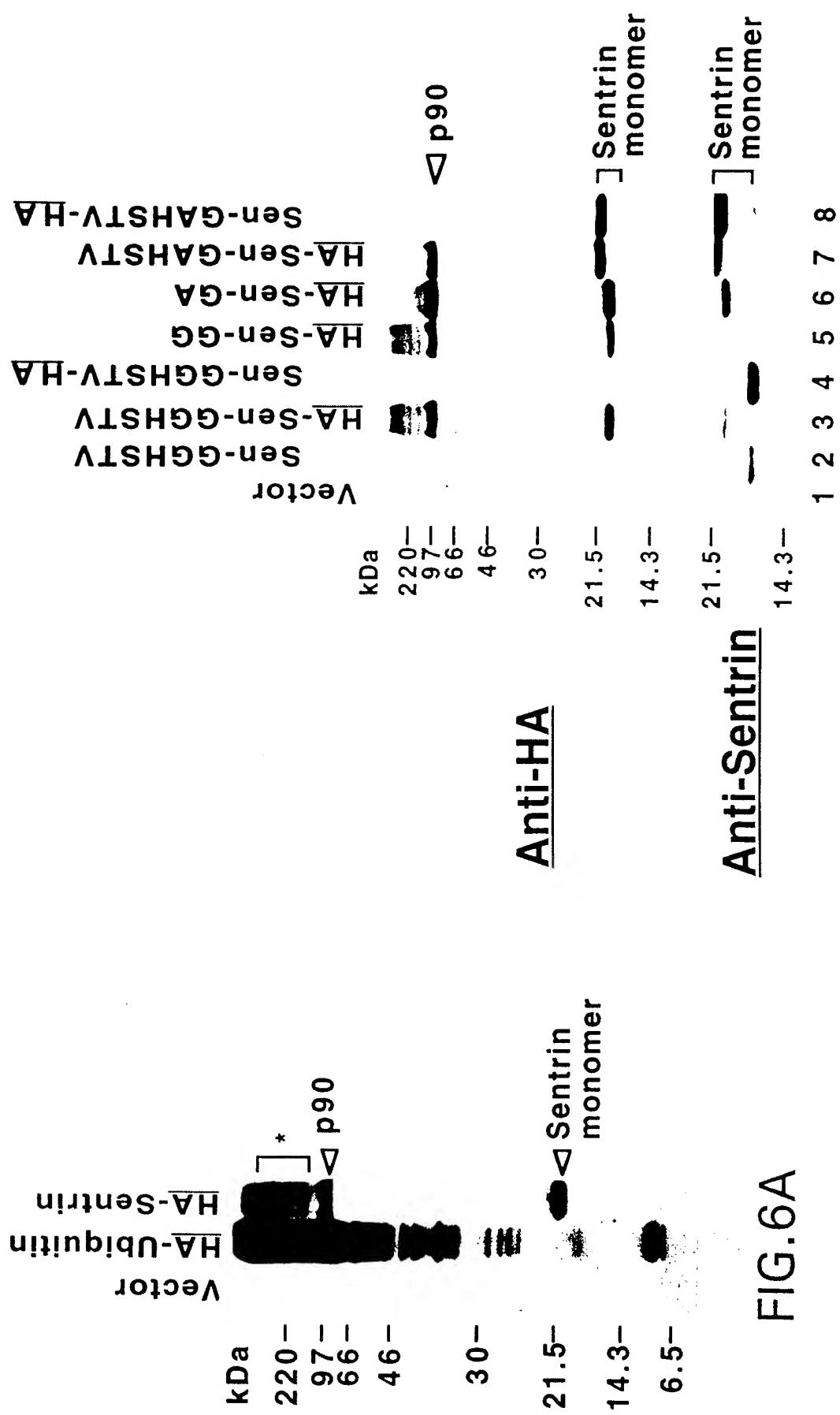


FIG. 6A

FIG. 6B

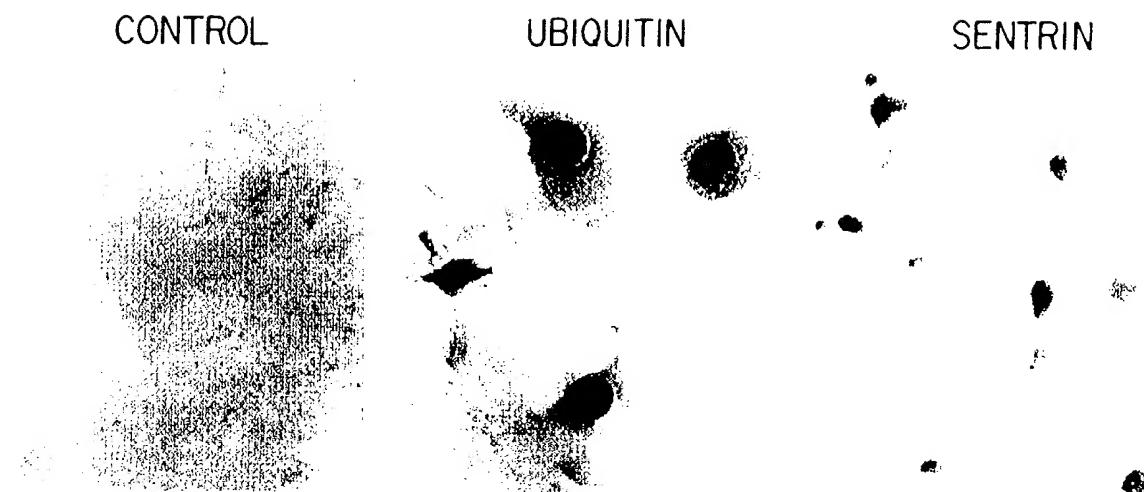


FIG. 7A

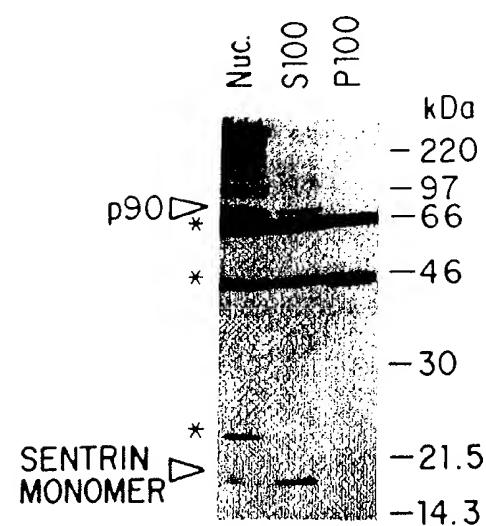


FIG. 7B

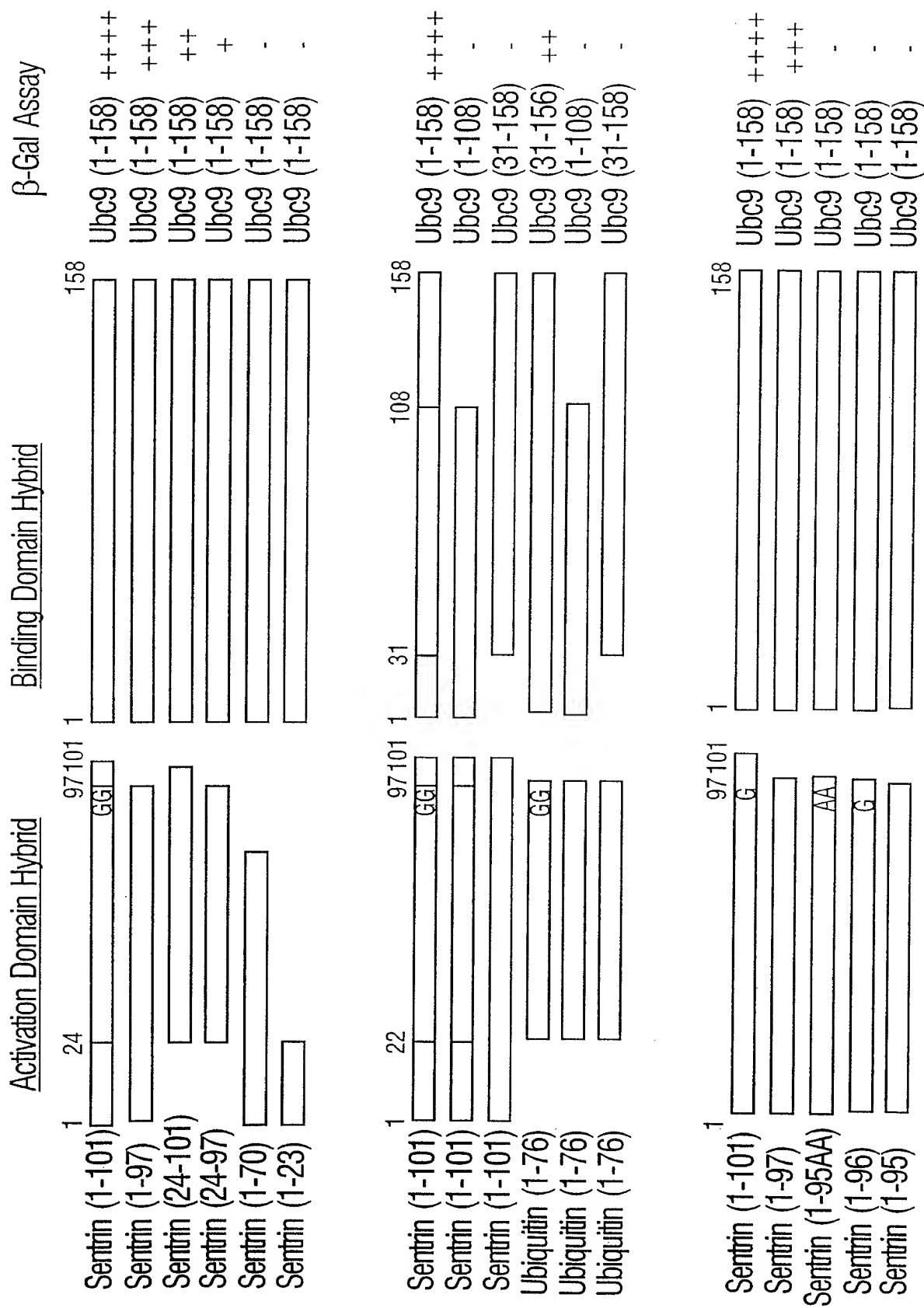


FIG. 8

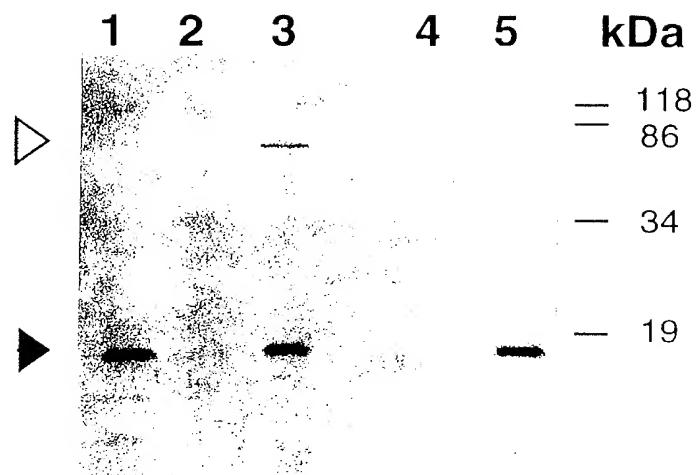


FIG.9

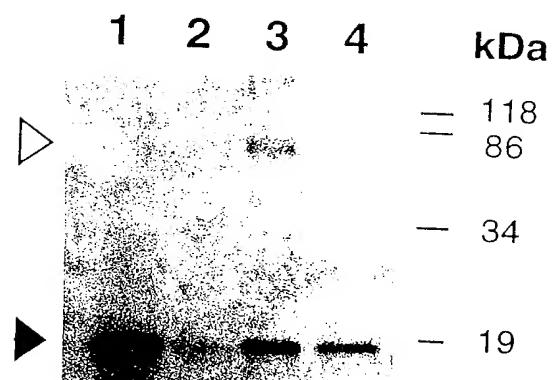


FIG.10

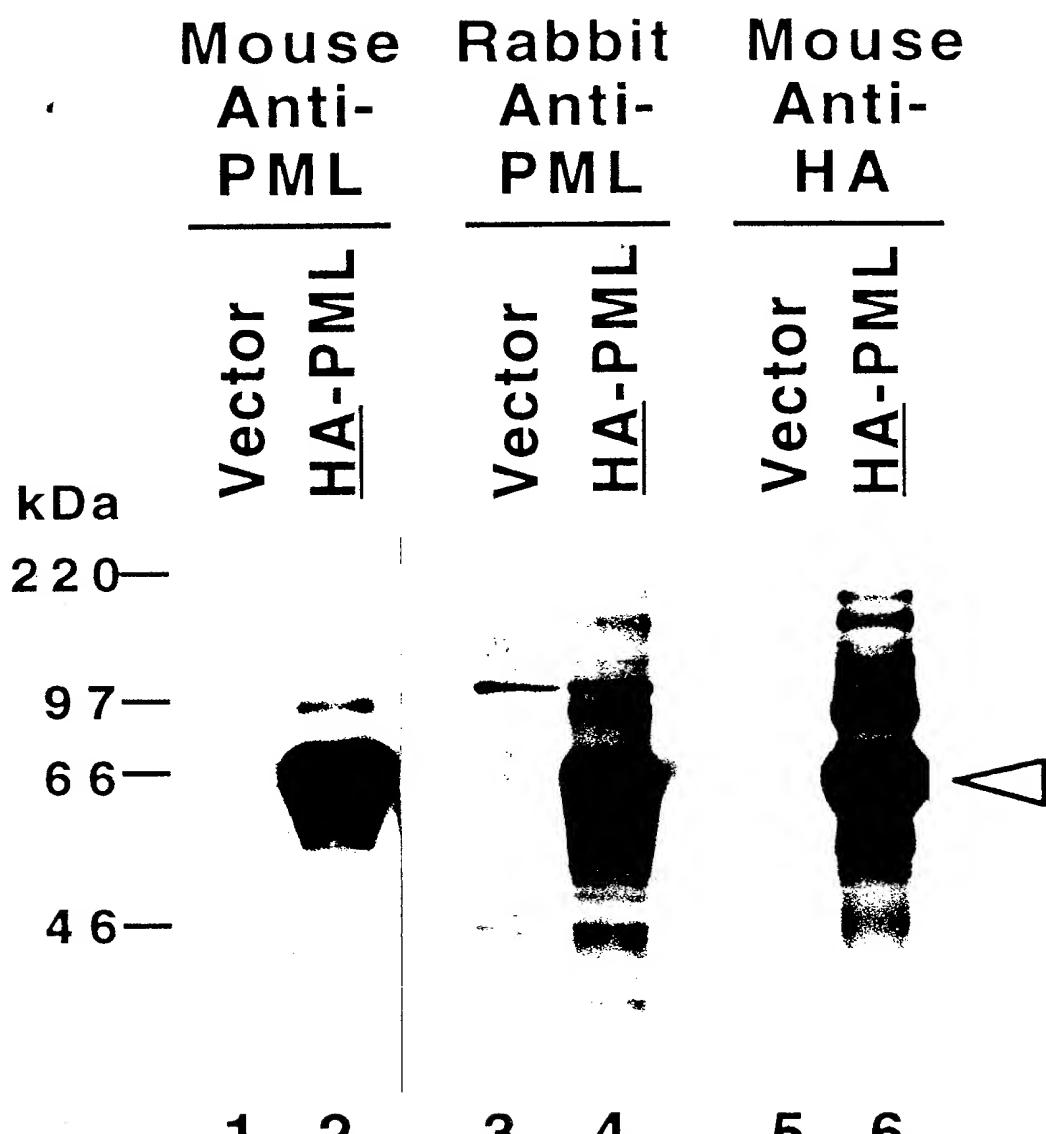


FIG. 11A

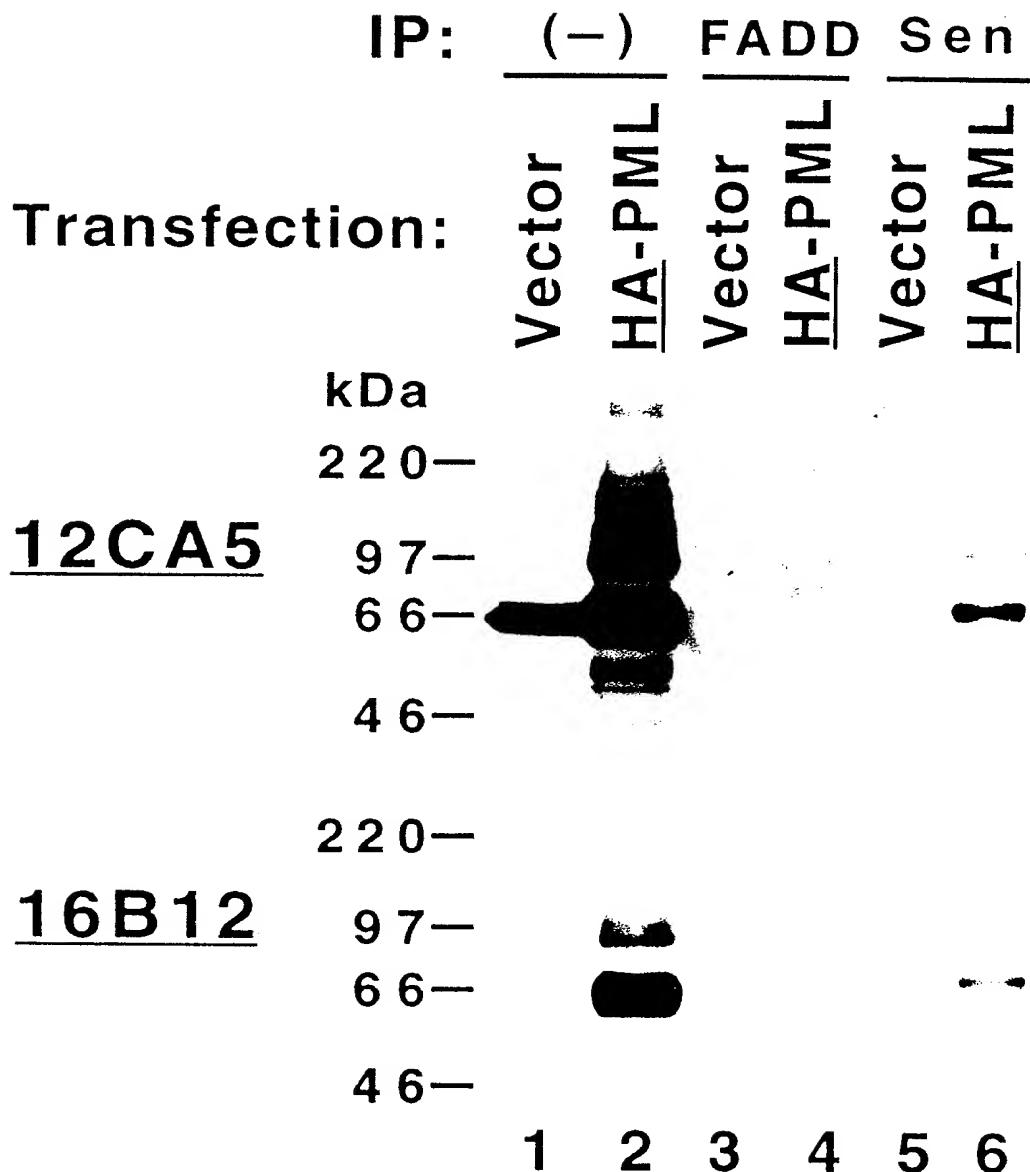


FIG. 11B

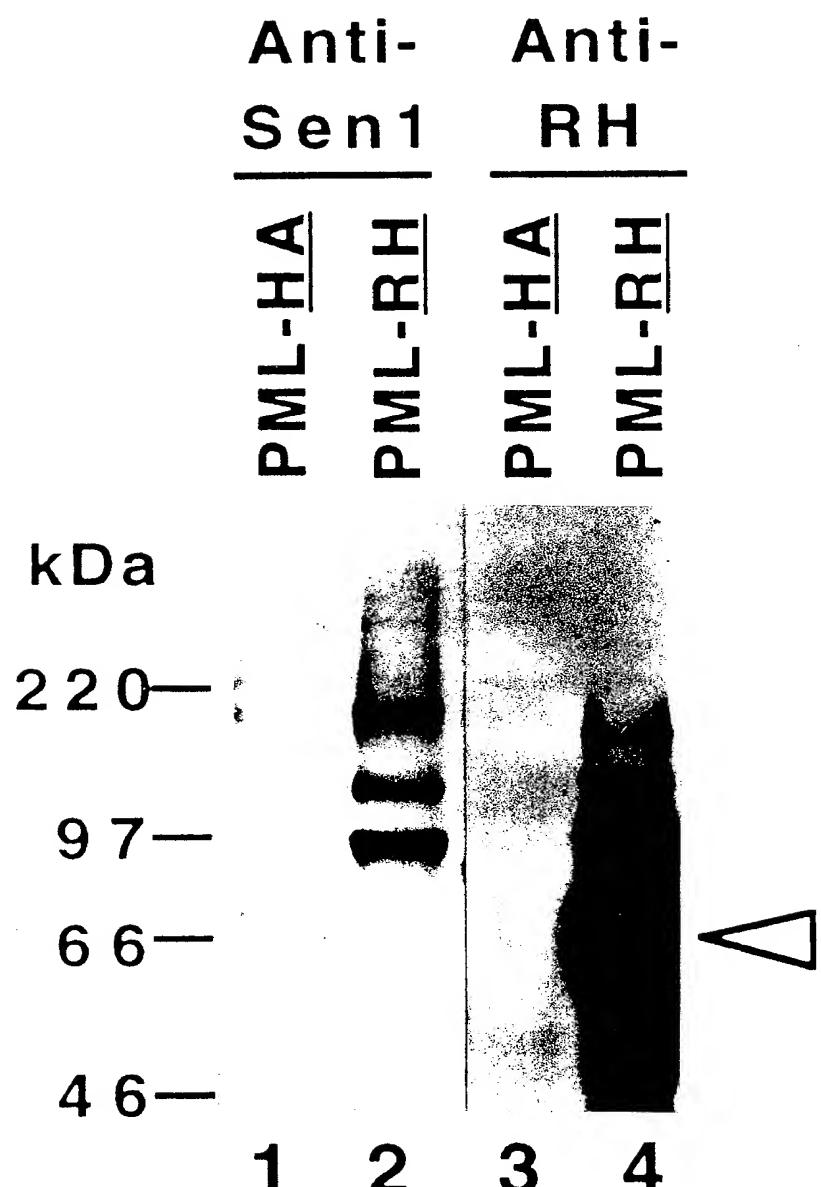


FIG.11C

Sentrin-1 (1-30)	MSDQEAKPST	EDLGDKKEGE	-YIKLKVIQD
Sentrin-2 (1-26)	MAD-E-KPK-	E--GVKTENN	DHINLKVAQD
Sentrin-3 (1-25)	MSE-E-KPK-	E--GVKTEN-	DHINLKVAQD
NEDD8 (1-9)			
Ubiquitin (1-9)			
Sentrin-1 (31-60)	SSEIHFKVKM	TTHLKKLKES	YCQRQGVPMN
Sentrin-2 (27-56)	GSVVQFKIKR	HTPLSKLMKA	YCERQGLLSMR
Sentrin-3 (26-55)	GSVVQFKIKR	HTSLSKLMKA	YCERQGLLSMR
NEDD8 (10-39)	GKEIEIDIEP	TDKVERIKER	VEEKEGIPPO
Ubiquitin (10-39)	GKTITLEVER	SDTIENVKAK	IQDKEGIPPD
Sentrin-1 (61-90)	SLRFLFEGQR	IADNHTPKEL	GMEEEDVIEV
Sentrin-2 (57-86)	QIRFRFDGQP	INETDTPAQL	EMEDEDTIDV
Sentrin-3 (56-85)	QIRFRFDGQP	INETDTPAQL	RMEDEDTIDV
NEDD8 (40-69)	QQRLIYSGKQ	MNDEKTAADY	KILGGSVLHL
Ubiquitin (40-69)	QQRLIYSGKQ	LEDGRTLSDY	NIQKESTLHL
Sentrin-1 (91-101)	YQEQTGGHSTV		
Sentrin-2 (87-95)	FQQQTGGVY		
Sentrin-3 (86-103)	FQQQTGGVPESSLAGHSE		
NEDD8 (70-81)	VLALRGGGGLR		
Ubiquitin (70-76)	VLRLRGG		

FIG. 12

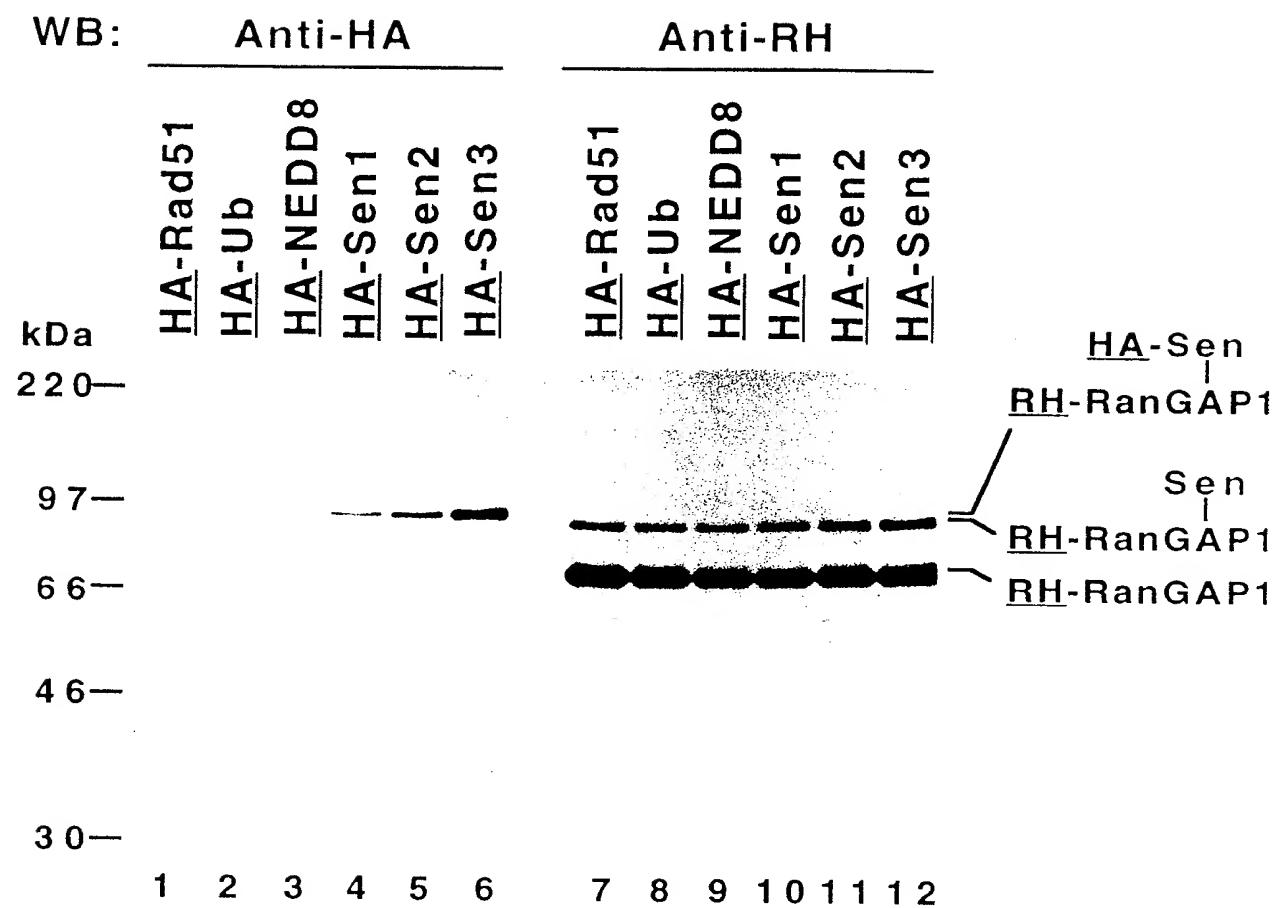


FIG.13A

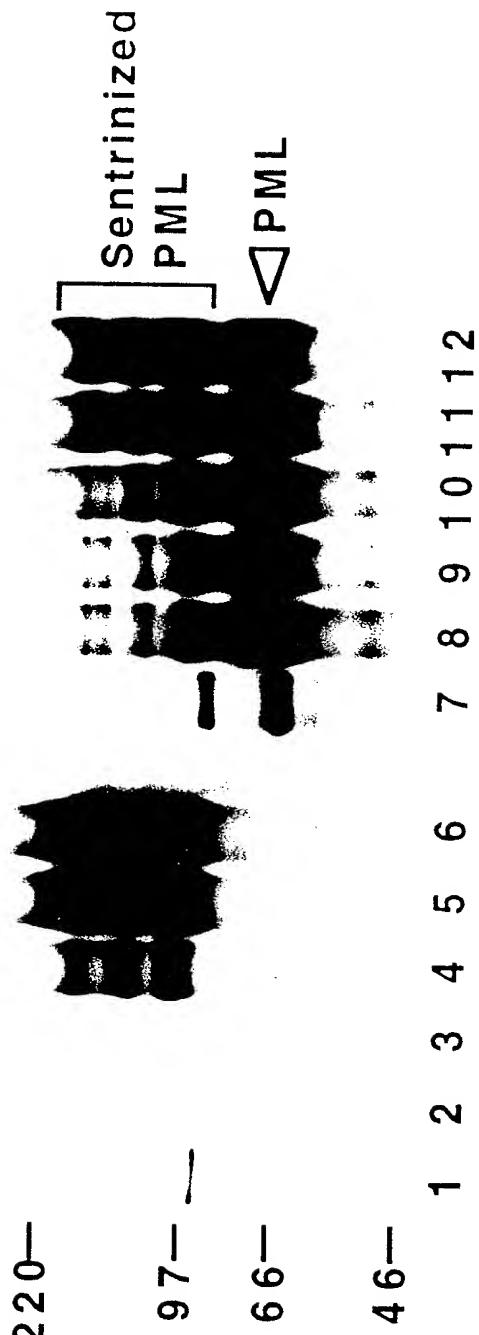


FIG. 13B

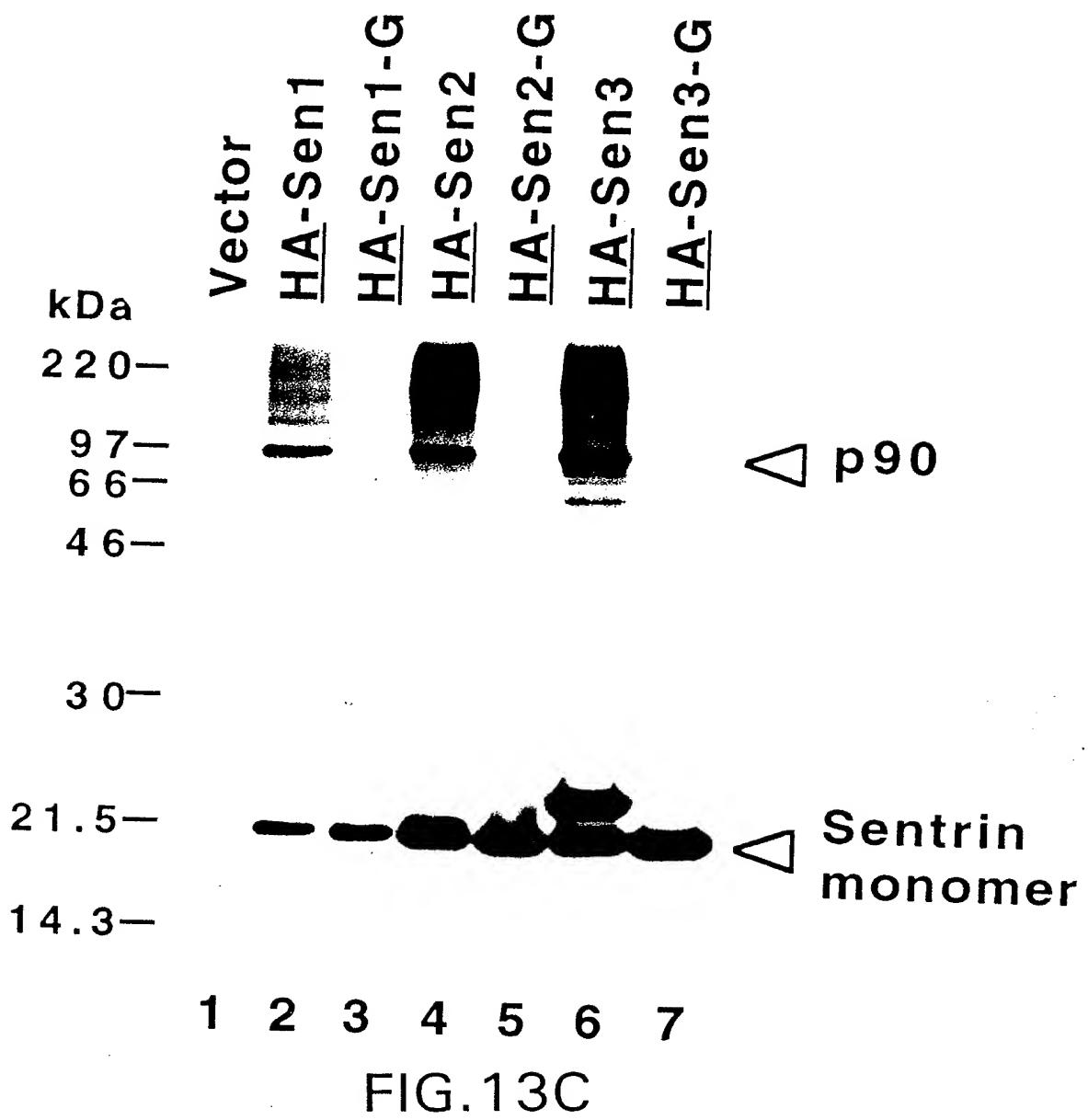


FIG.13C

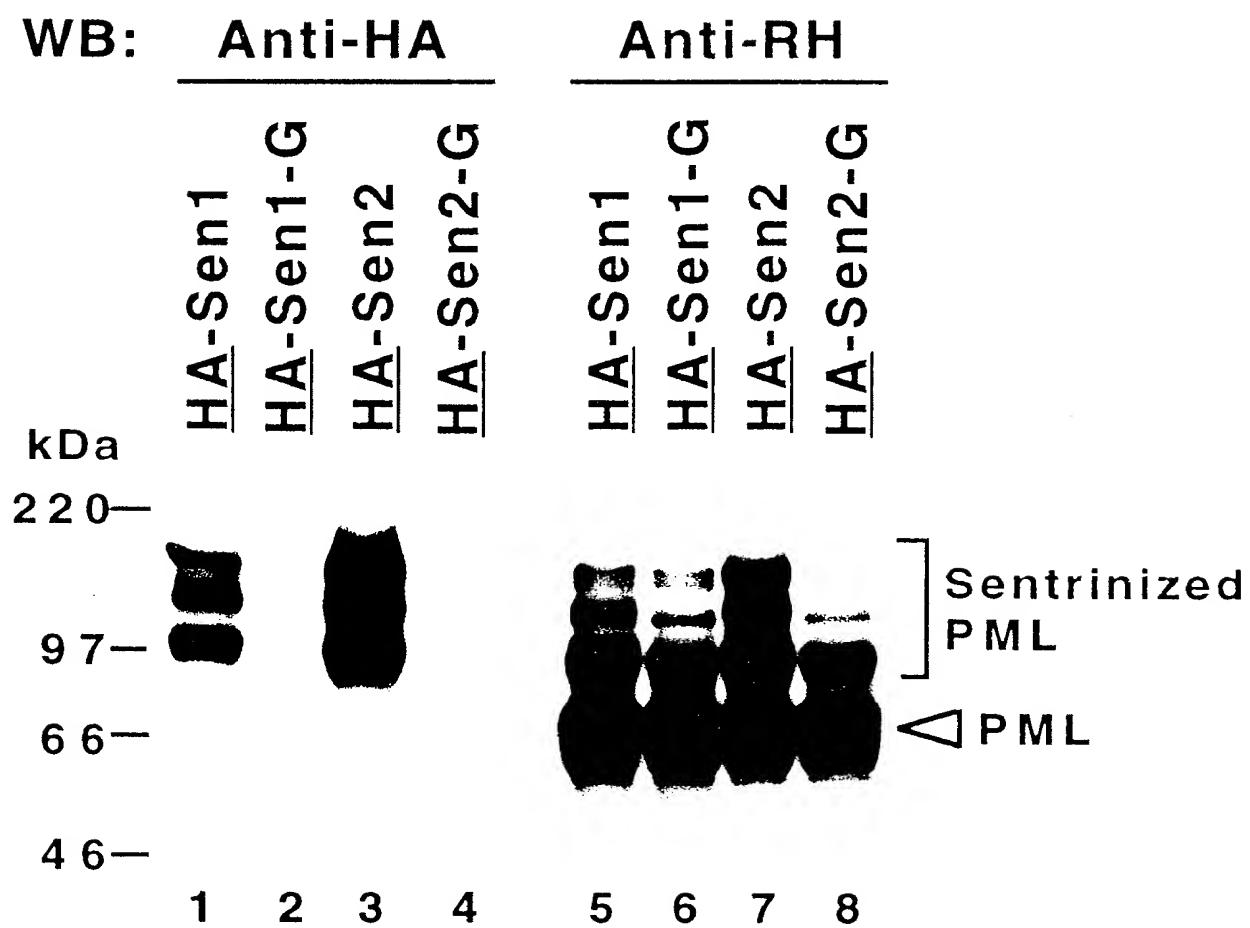


FIG.13D